## **EAST Search History**

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs                       | Default<br>Operator | Plurals | Time Stamp          |
|-------|------|--|---------------------------|---------------------|---------|---------------------|
| L3    | 18   | ("20020002369"   "20020052155"   "2002015347"   "2002013612"   "20030173944"   "200301224663"   "20040024399"   "3996511"   "4787752"   "5387872"   "5457392"   "5506628"   "6624229"   "6504223"   "657147"   "6637110"), PN. OR ("7176703"), URPN. | US-PGPUB;<br>USPAT; USOCR | OR                  | OFF     | 2009/11/22<br>23:16 |
| L4    | 19   | ((KAZUMICHI) near2<br>(MACHIDA)).INV.  | US-PGPUB;<br>USPAT; USOCR | OR                  | OFF     | 2009/11/22<br>23:25 |
| L5    | 166  | ((KAZUMICHI) near2<br>(MACHIDA)).INV.  | EPO; JPO;<br>DERWENT      | OR                  | OFF     | 2009/11/22<br>23:25 |
| L6    | 9    | ((ATSUO) near2 (URATA)).<br>INV.   | US-PGPUB;<br>USPAT; USOCR | OR                  | OFF     | 2009/11/22<br>23:25 |
| L7    | 30   | ((ATSUO) near2 (URATA)).<br>INV.   | EPO; JPO;<br>DERWENT      | OR                  | OFF     | 2009/11/22<br>23:25 |
| L8    | 116  | ((TAKESHI) near2<br>(KONNO)).INV.  | US-PGPUB;<br>USPAT; USOCR | OR                  | OFF     | 2009/11/22<br>23:26 |
| L9    | 255  | ((TAKESHI) near2<br>(KONNO)).INV.  | EPO; JPO;<br>DERWENT      | OR                  | OFF     | 2009/11/22<br>23:26 |
| L10   | 4    | 4 and (thermal and coefficient)  | US-PGPUB;<br>USPAT; USOCR | OR                  | OFF     | 2009/11/22<br>23:26 |
| L11   | 1    | 5 and (thermal and coefficient)  | EPO; JPO;<br>DERWENT      | OR                  | OFF     | 2009/11/22<br>23:29 |
| L12   | 3    | 6 and (thermal and coefficient)  | US-PGPUB;<br>USPAT; USOCR | OR                  | OFF     | 2009/11/22<br>23:30 |
| L13   | 0    | 7 and (thermal and coefficient)  | EPO; JPO;<br>DERWENT      | OR                  | OFF     | 2009/11/22<br>23:30 |
| L14   | 2    | 8 and (thermal and coefficient)  | US-PGPUB;<br>USPAT; USOCR | OR                  | OFF     | 2009/11/22<br>23:31 |
| L15   | 0    | 9 and (thermal and coefficient)  | EPO; JPO;<br>DERWENT      | OR                  | OFF     | 2009/11/22<br>23:31 |
| L16   | 96   | ((AKIRA) near2 (ISHIDA)).<br>INV.  | US-PGPUB;<br>USPAT; USOCR | OR                  | OFF     | 2009/11/22<br>23:32 |
| L17   | 7    | ((MITSURU) near2<br>(EGASHIRA)).INV.   | US-PGPUB;<br>USPAT; USOCR | OR                  | OFF     | 2009/11/22<br>23:32 |

| L18 | 9   | ((MIKIHIKO) near2<br>(KOBAYASHI)).INV.                                      | US-PGPUB;<br>USPAT; USOCR                 | OR | OFF | 2009/11/22<br>23:32 |
|-----|-----|---|---|----|-----|---------------------|
| L19 | 559 | ((AKIRA) near2 (ISHIDA)).<br>INV.   | EPO; JPO;<br>DERWENT                      | OR | OFF | 2009/11/22<br>23:32 |
| L20 | 39  | ((MITSURU) near2<br>(EGASHIRA)).INV.  | EPO; JPO;<br>DERWENT                      | OR | OFF | 2009/11/22<br>23:32 |
| L21 | 38  | ((MIKIHIKO) near2<br>(KOBAYASHI)).INV.                                      | EPO; JPO;<br>DERWENT                      | OR | OFF | 2009/11/22<br>23:32 |
| L22 | 4   | 16 and (thermal and coefficient)  | US-PGPUB;<br>USPAT; USOCR                 | OR | OFF | 2009/11/22<br>23:33 |
| L23 | 1   | 17 and (thermal and coefficient)  | US-PGPUB;<br>USPAT; USOCR                 | OR | OFF | 2009/11/22<br>23:33 |
| L24 | 1   | 18 and (thermal and coefficient)  | US-PGPUB;<br>USPAT; USOCR                 | OR | OFF | 2009/11/22<br>23:33 |
| L25 | 1   | 19 and (thermal and coefficient)  | EPO; JPO;<br>DERWENT                      | OR | OFF | 2009/11/22<br>23:34 |
| L26 | 0   | 20 and (thermal and coefficient)  | EPO; JPO;<br>DERWENT                      | OR | OFF | 2009/11/22<br>23:34 |
| L27 | 0   | 21 and (thermal and coefficient)  | EPO; JPO;<br>DERWENT                      | OR | OFF | 2009/11/22<br>23:34 |
| L34 | 0   | (thermal and coefficient)<br>and 324/761.ccls.                              | FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/11/22<br>23:57 |
| L35 | 5   | shape and memory and 324/761.ccls.  | FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/11/22<br>23:57 |
| L36 | 27  | shape and memory and g01r001/067.ipc.                                       | US-PGPUB;<br>USPAT; USOCR                 | OR | OFF | 2009/11/23<br>00:00 |
| L37 | 1   | (shape near2 memory)<br>and g01r001/067.ipc.                                | US-PGPUB;<br>USPAT; USOCR                 | OR | OFF | 2009/11/23<br>00:01 |
| L38 | 6   | (shape near2 memory)<br>and h01l021/66.ipc.                                 | US-PGPUB;<br>USPAT; USOCR                 | OR | OFF | 2009/11/23<br>00:01 |
| L39 | 3   | (("3870978") or<br>("4993957") or<br>("6724203") or<br>("20020113612")).PN. | USPAT; USOCR                              | OR | OFF | 2009/11/23<br>00:02 |
| L40 | 4   | (("3870978") or<br>("4993957") or<br>("6724203") or<br>("20020113612")).PN. | US-PGPUB;<br>USPAT; USOCR                 | OR | OFF | 2009/11/23<br>00:03 |

| L41 | 22   | (US-20080054916-\$ or US-20020113612-\$ or US-20020105347-\$ or US-20020105347-\$ or US-20050099195-\$ or US-20020052155-\$).did. or (US-5225777-\$ or US-5114402-\$ or US-5090956-\$ or US-5177437-\$ or US-7176703-\$ or US-611874-\$ or US-524619-\$ or US-6287399-\$ or US-63714444-\$ or US-7254889-\$ or US-6380013-\$ or US-6324344-\$ or US-6724203-\$ or US-6932434-\$ or US-6724203-\$ or US-6932959-\$).did. or (JP-06118099-\$). | US PGPUB;<br>USPAT; JPO   | OR | OFF | 2009/11/23          |
|-----|------|--|---------------------------|----|-----|---------------------|
| L43 | 22   | did.<br>(US-20080054916-\$ or US-<br>20020113612-\$ or US-<br>20020105347-\$ or US-<br>20050099195-\$ or US-   | US-PGPUB;<br>USPAT; JPO   | OR | OFF | 2009/11/23<br>00:03 |
|     |      | 20010021290.\$ or US<br>20020052155-\$). did. or<br>(US 5225777-\$ or US-<br>5114402-\$ or US-5090956-<br>6 or US-5177438-\$ or US-<br>6577147-\$ or US-7176703-<br>\$ or US-5611874-\$ or US-<br>5524619-\$ or US-6287399-<br>\$ or US-4518444-\$ or US-<br>7254889-\$ or US-6980013-<br>\$ or US-5532434-\$ or US-<br>6724203-\$ or US-4993957-<br>\$). did. or (JP-06118099-\$).<br>did.  |                           |    |     |                     |
| S29 | 2070 | ((coefficient near2 thermal<br>near2 expansion) with<br>(high\$3 or low\$3)).ab.   | US-PGPUB;<br>USPAT; USOCR | OR | ON  | 2008/05/08<br>15:39 |
| S30 | 3603 | ((coefficient near2 thermal<br>near2 expansion) with<br>(high\$3 or low\$3)).clm.  | US-PGPUB;<br>USPAT; USOCR | OR | ON  | 2008/05/08<br>15:39 |
| S31 | 4724 | S29 or S30   | US-PGPUB;<br>USPAT; USOCR | OR | ON  | 2008/05/08<br>15:39 |
| S32 | 8    | S31 and 324/761.cds.   | US-PGPUB;<br>USPAT; USOCR | OR | ON  | 2008/05/08<br>15:39 |
| S33 | 10   | S31 and 324/760.cds.   | US-PGPUB;<br>USPAT; USOCR | OR | ON  | 2008/05/08<br>15:40 |
| S34 | 17   | S32 or S33   | US-PGPUB;<br>USPAT; USOCR | OR | ON  | 2008/05/08<br>15:40 |
| S35 | 1    | S32 and S33  | US-PGPUB;<br>USPAT; USOCR | OR | ON  | 2008/05/08<br>15:40 |

| S36 | 73 | (bimetal or (bi adj metal)<br>or bi-metal) and (probe<br>adj card)  | US-PGPUB;<br>USPAT; USOCR | OR | ON  | 2008/05/08<br>15:41 |
|-----|----|---|---------------------------|----|-----|---------------------|
| S37 | 1  | S29 and S36   | US-PGPUB;<br>USPAT; USOCR | OR | ON  | 2008/05/08<br>15:41 |
| S38 | 0  | S30 and S36   | US-PGPUB;<br>USPAT; USOCR | OR | ON  | 2008/05/08<br>15:41 |
| S39 | 1  | (("5225777") or<br>("2002105347")).PN.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/05/08<br>16:04 |
| S40 | 2  | (("5225777") or<br>("20020105347")).PN.   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/05/08<br>16:05 |
| S41 | 95 | (probe with made with different with material)  | USPAT                     | OR | OFF | 2008/05/08<br>16:07 |
| S42 | 8  | (probe with made with<br>different with material)<br>and (coefficient near2<br>thermal near2 expansion)   | USPAT                     | OR | OFF | 2008/05/08<br>16:07 |
| S43 | 1  | (probe with made with<br>different with bond\$3) and<br>(coefficient near2 thermal<br>near2 expansion)  | USPAT                     | OR | OFF | 2008/05/08<br>16:11 |
| S44 | 1  | paresh.xa. and (shape with memory)  | USPAT                     | OR | OFF | 2008/05/08<br>16:12 |
| S45 | 22 | ("20010011897"   "5486771"   "5524619"   "55486771"   "5525422"   "5611874"   "5619177"   "5693982"   "5772105"   "5831820"   "5841291"   "5891577"   "5917240"   "5936418"   "6019166"   "6043667"   "6049217"   "6049267"   "6053925"   "6133744"   "6242929"   "6246245"). PN. OR ("6577147"). URFN. | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/05/08<br>16:13 |
| S46 | 20 | ("4035007"   "4518444"  <br>"4808246"   "5213111"  <br>"5242002"   "5272486"  <br>"5276455").PN. OR<br>("5611874").URPN.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/05/08<br>16:27 |

| S58         | 1                                       | S57 and scrub\$4   | USPAT                     | OR | OFF | 2008/09/14<br>21:20 |
|-------------|---|--|---------------------------|----|-----|---------------------|
| <b>S</b> 57 | *************************************** | (US 20080054916-\$ or US 20020113612-\$ or US 20020113612-\$ or US 20020105347-\$ or US 20050099195-\$), did. or (US 5903161-\$ or US 5225777-\$ or US 55114402-\$ or US 5090956-\$ or US 5177438-\$ or US 6577147-\$ or US 7176703-\$ or US 561187-\$ or US 524619-\$ or US 6287399-\$ or US 4518444-\$ or US 6791345-\$), did. | US-PGPUB;<br>USPAT        | OR | OFF | 2008/09/14<br>21:19 |
| S56         | 3                                       | S55 and (thermal with expansion)   | US-PGPUB;<br>USPAT        | OR | OFF | 2008/09/14<br>21:13 |
| S55         | 9                                       | (URATA near ATSUO).in.   | US-PGPUB;<br>USPAT        | OR | OFF | 2008/09/14<br>21:11 |
| S54         | 4                                       | S53 and (thermal with expansion)   | US-PGPUB;<br>USPAT        | OR | OFF | 2008/09/14<br>21:07 |
| S53         | 18                                      | (MACHIDA and<br>KAZUMICHI).in.   | US-PGPUB;<br>USPAT        | OR | OFF | 2008/09/14<br>21:07 |
| S52         | 4                                       | ("20020113612"  <br>"6577147"   "6791345"  <br>"7176703").PN.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/09/14<br>20:58 |
| 351         | 6                                       | ("4423376"   "4528500"  <br>"5800184"   "6294922").<br>PN. OR ("6791345").<br>URPN.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/05/08<br>16:48 |
| 350         | 4                                       | "6791345"  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/05/08<br>16:46 |
| S49         | 1                                       | "20020105347"  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/05/08<br>16:45 |
| S48         | 2                                       | ("4423376"   "6294922").<br>PN.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/05/08<br>16:45 |
| S47         | *************************************** | ("20020002368"   "20020052155"   "20020155347"   "20020113612"   "2003013934"   "20030224663"   "20040024399"   "3996511"   "4787752"   "5387872"   "5487392"   "5801441"   "5893713"   "5906528"   "66242929"   "6637110")*PN OR ("7176703").URPN.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/05/08<br>16:32 |

| S59 | 95  | (thermal with expansion)<br>and scrub\$4 and "324"/\$.<br>ccls. | USPAT                            | OR | OFF | 2008/09/14<br>21:23 |
|-----|-----|---|----------------------------------|----|-----|---------------------|
| S60 | 91  | (thermal with expansion)<br>and wip\$4 and "324"/\$.<br>ccls.   | USPAT                            | OR | OFF | 2008/09/14<br>21:24 |
| S61 | 19  | S59 and S60   | USPAT                            | OR | OFF | 2008/09/14<br>21:24 |
| S62 | 167 | S59 or S60  | USPAT                            | OR | OFF | 2008/09/14<br>21:24 |
| S63 | 148 | S62 not S61   | USPAT                            | OR | OFF | 2008/09/14<br>21:31 |
| S64 | 13  | 963 and (match\$3 near (thermal or coefficient))                | USPAT                            | OR | OFF | 2008/09/14<br>21:32 |
| S65 | 127 | prob\$4 and (match\$3 near<br>(thermal or coefficient))         | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/14<br>21:34 |
| S66 | 1   | "20080054916"   | US-PGPUB                         | OR | OFF | 2008/09/14<br>21:47 |
| S67 | 72  | NATIONAL near<br>INSTITUTE near2<br>MATERIALS near2<br>SCI ENCE | USPAT                            | OR | OFF | 2008/11/07<br>19:07 |
| S68 | 6   | S67 and (thermal near2 coefficient)                             | USPAT                            | OR | OFF | 2008/11/07<br>19:09 |
| S69 | 7   | JAPAN near2 ELECTRONIC<br>near2 MATERIALS near2<br>CORPORATION  | USPAT                            | OR | OFF | 2008/11/07<br>19:12 |
| S70 | 0   | S69 and (thermal near2 coefficient)                             | USPAT                            | OR | OFF | 2008/11/07<br>19:13 |
| S71 | 4   | JAPAN near2 ELECTRONIC<br>near2 MATERIALS near2<br>CORPORATION  | US-PGPUB                         | OR | OFF | 2008/11/07<br>19:13 |
| S72 | 97  | NATIONAL near<br>INSTITUTE near2<br>MATERIALS near2<br>SCIENCE  | US-PGPUB                         | OR | OFF | 2008/11/07<br>19:13 |
| S73 | 6   | S72 and (thermal near2 coefficient)                             | US-PGPUB                         | OR | OFF | 2008/11/07<br>19:14 |
| S74 | 2   | (machida near kazumichi)<br>and (thermal near2<br>coefficient)  | US-PGPUB                         | OR | OFF | 2008/11/07<br>19:15 |
| S75 | 1   | (machida near kazumichi)<br>and (thermal near2<br>coefficient)  | USPAT                            | OR | OFF | 2008/11/07<br>19:15 |
| S76 | 1   | (urata near atsuo) and (thermal near2 coefficient)              | USPAT                            | OR | OFF | 2008/11/07<br>19:16 |
| S77 | 2   | (urata near atsuo) and (thermal near2 coefficient)              | US-PGPUB                         | OR | OFF | 2008/11/07<br>19:16 |

| S78 | 0  | (konno near takeshi) and<br>(thermal near2 coefficient)  | USPAT                                     | OR | OFF | 2008/11/07<br>19:17 |
|-----|----|--|---|----|-----|---------------------|
| S79 | 1  | (konno near takeshi) and (thermal near2 coefficient)   | US-PGPUB                                  | OR | OFF | 2008/11/07<br>19:17 |
| S80 | 2  | (ishida near akira) and (thermal near2 coefficient)  | US-PGPUB                                  | OR | OFF | 2008/11/07<br>19:18 |
| S81 | 3  | (ishida near akira) and (thermal near2 coefficient)  | USPAT                                     | OR | OFF | 2008/11/07<br>19:18 |
| S82 | 1  | (egashira near mitsuru)<br>and (thermal near2<br>coefficient)  | US-PGPUB                                  | OR | OFF | 2008/11/07<br>19:21 |
| S83 | 0  | (egashira near mitsuru)<br>and (thermal near2<br>coefficient)  | USPAT                                     | OR | OFF | 2008/11/07<br>19:22 |
| S84 | 0  | (kibayashi near mikihiko)<br>and (thermal near2<br>coefficient)  | US-PGPUB                                  | OR | OFF | 2008/11/07<br>19:22 |
| S85 | 1  | (kobayashi near mikihiko)<br>and (thermal near2<br>coefficient)  | US-PGPUB                                  | OR | OFF | 2008/11/07<br>19:22 |
| S86 | 0  | (kobayashi near mikihiko)<br>and (thermal near2<br>coefficient)  | USPAT                                     | OR | OFF | 2008/11/07<br>19:22 |
| S87 | 1  | (ishida near akira) and (thermal near2 coefficient)  | FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/11/07<br>19:23 |
| S88 | 0  | (machida near kazumichi)<br>and (thermal near2<br>coefficient)   | FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/11/07<br>19:24 |
| S89 | 50 | ("6826854" "7069622" "7261474" "7344140" "2004017948" "2005002875" "20060290069" "20080054916" "4086605" "5309131" "5361128" "5452904" "5600515" "5452904" "5600515" "5944539" "6166762" "6290425" "6292308" "66345575" "6600219" "6737718" "6828736" "6998312" "8938957" "6937514" "6945473" "6998312" "2001003052" "20010038107" "20010048125" "20020121685" "20020121685" "20020121685" | US PGPUB;<br>USPAT; USOCR                 | OR | ON  | 2008/11/07          |

|     | *************************************** | "20030033735" "2003011824" "20030176808" "20040029427" "20040075113" "20040166701" "20040212008" "20050002705" "200500286820" "20050028678" "200500247447" "200500474447" "2005004744840" "20060042744" "20060042744" "20060094305"),pn.   |                           |      |     |                     |
|-----|---|--|---------------------------|------|-----|---------------------|
| S90 | 3                                       | S89 and (thermal near2 coefficient)  | US-PGPUB;<br>USPAT; USOCR | OR   | OFF | 2008/11/07<br>19:32 |
| S91 | 0                                       | "200201053473"   | US-PGPUB;<br>USPAT        | OR   | OFF | 2008/11/08<br>11:52 |
| S92 | 1                                       | "20020105347"  | US-PGPUB;<br>USPAT        | OR   | OFF | 2008/11/08<br>11:53 |
| S93 |   | (US-20080054916-\$ or US-20020113612-\$ or US-2002010547-\$ or US-20050099195-\$ or US-20050099195-\$ or US-50050099195-\$ or US-5205777-\$ or US-5114402-\$ or US-5090956-\$ or US-5177438-\$ or US-7176703-\$ or US-5611874-\$ or US-7176703-\$ or US-5611874-\$ or US-5284619-\$ or US-6887399-\$ or US-4518444-\$ or US-68791345-\$ or US-7254889-\$ or US-6980013-\$). did. | US-PGPUB;<br>USPAT        | OR . | OFF | 2009/03/27          |
| S94 | 5                                       | ("20020113612"  <br>"20050099195"  <br>"6577147"   "6791345"  <br>"7176703").PN.   | US-PGPUB;<br>USPAT; USOCR | OR   | OFF | 2009/03/27<br>13:41 |
| S95 | 18                                      | ((KAZUMICHI) near2<br>(MACHIDA)).INV.  | US-PGPUB;<br>USPAT; USOCR | OR   | OFF | 2009/03/27<br>13:41 |
| S96 | 163                                     | ((KAZUMICHI) near2<br>(MACHIDA)).INV.  | EPO; JPO;<br>DERWENT      | OR   | OFF | 2009/03/27<br>13:42 |
| S97 | 9                                       | ((ATSUO) near2 (URATA)).<br>INV.   | US-PGPUB;<br>USPAT; USOCR | OR   | OFF | 2009/03/27<br>13:42 |
| S98 | 30                                      | ((ATSUO) near2 (URATA)).<br>INV.   | EPO; JPO;<br>DERWENT      | OR   | OFF | 2009/03/27<br>13:42 |
| S99 | 111                                     | ((TAKESHI) near2<br>(KONNO)),INV.  | US-PGPUB;<br>USPAT: USOCR | OR   | OFF | 2009/03/27<br>13:42 |

| S100 | 248  | ((TAKESHI) near2<br>(KONNO)).INV.  | EPO; JPO;<br>DERWENT  | OR | OFF | 2009/03/27<br>13:42 |
|------|------|--|---|----|-----|---------------------|
| S101 | 94   | ((AKIRA) near2 (ISHIDA)).<br>INV.  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2009/03/27<br>13:42 |
| S102 | 558  | ((AKIRA) near2 (ISHIDA)).<br>INV.  | EPO; JPO;<br>DERWENT  | OR | OFF | 2009/03/27<br>13:42 |
| S103 | 7    | ((MITSURU) near2<br>(EGASHIRA)).INV.   | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2009/03/27<br>13:43 |
| S104 | 37   | ((MITSURU) near2<br>(EGASHIRA)).INV.   | EPO; JPO;<br>DERWENT  | OR | OFF | 2009/03/27<br>13:43 |
| S105 | 9    | ((MIKIHIKO) near2<br>(KOBAYASHI)).INV.   | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2009/03/27<br>13:43 |
| S106 | 36   | ((MIKIHIKO) near2<br>(KOBAYASHI)).INV.   | EPO; JPO;<br>DERWENT  | OR | OFF | 2009/03/27<br>13:43 |
| S107 | 1231 | \$95 \$96 \$97 \$98 \$99<br>\$100 \$101 \$102 \$103<br>\$104 \$105 \$106 and<br>(thermal near2 expansion<br>near2 coefficient) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/03/27<br>13:45 |
| S108 | 1251 | \$95 \$96 \$97 \$98 \$99<br>\$100 \$101 \$102 \$103<br>\$104 \$105 \$106 not<br>(thermal near2 expansion<br>near2 coefficient) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/03/27<br>13:45 |
| S109 | 5    | (S95 S96 S97 S98 S99<br>S100 S101 S102 S103<br>S104 S105 S106) and<br>(thermal near2 expansion<br>near2 coefficient)           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/03/27<br>13:46 |
| S110 | 1246 | (S95 S96 S97 S98 S99<br>S100 S101 S102 S103<br>S104 S105 S106) not<br>(thermal near2 expansion<br>near2 coefficient)           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/03/27<br>13:46 |
| S111 | 192  | 324/761.ccls.  | US-PGPUB  | OR | OFF | 2009/03/27<br>13:52 |
| S112 | 11   | 324/761 ccls. and (thermal<br>near2 expansion near2<br>coefficient)  | US-PGPUB  | OR | OFF | 2009/03/27<br>13:52 |
| S113 | 3    | 324/761 ccls. and (shape<br>near memory near2 alloy)   | US-PGPUB  | OR | ON  | 2009/03/27<br>13:55 |
| S114 | 6    | 324/761 ccls. and (shape<br>near memory near2 alloy)   | USPAT; USOCR  | OR | ON  | 2009/03/27<br>13:57 |
| S115 | 66   | 324/761.ccls. and (thermal<br>near2 expansion near2<br>coefficient)  | USPAT; USOCR  | OR | OFF | 2009/03/27<br>13:58 |

| S116 | 2 | (US-20080054916-\$ or US-20020113612-\$ or US-20020105347-\$ or US-20050099195-\$ or US-20050099195-\$ or US-20050099195-\$ or US-5225777-\$ or US-5114402-\$ or US-5225777-\$ or US-5114402-\$ or US-7176703-\$ or US-5611874-\$ or US-7176703-\$ or US-5611874-\$ or US-5224619-\$ or US-6287399-\$ or US-6980013-\$ or US-6990647-\$ or US-6990013-\$ or US-6990647-\$ or US-6990563-\$ or US-6900563-\$ or US-69 | us Pgpub;<br>uspat        | OR | OFF | 2009/09/26<br>17:18 |
|------|---|--|---------------------------|----|-----|---------------------|
| S117 | 6 | ("20020113612"  <br>"20050099195"  <br>"6577147"   "6710608"  <br>"6791345"   "7176703").<br>PN.   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2009/09/26<br>17:18 |

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